Name: Period: Date:

**Water Consumption Calculation**

**Collect data for 4 days**

Water Consumption

* Washing hands
  + 1 washing = 2 gallons per minute
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL WASHING HANDS = \_\_\_\_\_\_\_\_\_ gallons
* Flushing toilet
  + 1 flush = 2 gallons
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL FLUSHING TOILET = \_\_\_\_\_\_\_\_\_\_ gallons
* Brushing teeth
  + Water running slightly = 2 gallons
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL BRUSHING TEETH = \_\_\_\_\_\_\_\_\_\_\_\_\_ gallons
* Load of laundry
  + 1 load = 40 gallons/number of people in household
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL LOAD OF LAUNDRY = \_\_\_\_\_\_\_\_\_\_\_\_ gallons
* Shower/bath
  + 5 gallons per minute
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL SHOWER/BATH = \_\_\_\_\_\_\_\_\_\_\_\_\_ gallons
* Dishwasher
  + 1 load = 20 gallons/number of people in household
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL DISHWASHER = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ gallons
* Dishwashing by hand
  + Water in sink with stopper to wash (10 gallons/number of people in household)
  + Water running to rinse (30 gallons/number of people in household)
    - Day 1
    - Day 2
    - Day 3
    - Day 4
      * TOTAL DISHWASHING = \_\_\_\_\_\_\_\_\_\_\_\_\_ gallons

TOTAL WATER CONSUMPTION = \_\_\_\_\_\_\_\_\_

Your total x number of people in your household = \_\_\_\_\_\_\_\_\_\_

Your total x 7.6 billion people (world population) = \_\_\_\_\_\_\_

**GRADING FOR WATER CALCULATION CONSUMPTION:**

Data collected for four (4) days = 25 points

* Tallies, slash marks or numbers included

All WORK shown = 75 points

* (20) Totals per day
* (40) Totals for each section
* (5) Total for personal water usage
* (5) Total for household usage
* (5) Total for world population usage